

MATHEMATICS EDUCATION 6-12 (B.ED.) - RESIDENT

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy ¹		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
HIUS 221	Survey of American History I	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 101	Foundational Skills	1
	MATH Elective	3
	Technology Competency ²	0-3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 105	Introduction to Biblical Worldview ³	2
Civic & Global Engagement		
CSTU 101	Western Culture	3
EVAN 101	Evangelism and the Christian Life ³	2
Social & Scientific Inquiry ¹		
PSYC 210	Developmental Psychology	3
	Natural Science Elective	3
Christianity & Contexts		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I ³	2
THEO 202	Theology Survey II ³	2
Total Hours		40-43

¹ Refer to the list of approved general education electives before enrolling in foundational skills requirements

² All students must pass the Computer Assessment OR complete applicable INFT course refer to www.liberty.edu/computerassessment for more information

³ Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

As a requirement for completion of this program, including student teaching and passing required licensure tests, the graduate of this program, regardless of state residency, must obtain a VA state teaching license. The VA teaching license may then be used for reciprocity in another state according to the regulations of that state.

Major Requirements

Code	Title	Hours
Major Foundational Courses		
CSIS 110	Introduction to Computer Science ¹	3
MATH 128	Precalculus with Trigonometry ¹	4
PHYS 231	University Physics I ¹	4
Total Hours		11

¹ Course may fulfill select general education requirements

Code	Title	Hours
Major Core		
<i>Education Courses</i>		
EDUC 201	Introduction to Education and Classroom Technology	3
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
EDUC 230	Foundations of Reading and Literacy	3
EDUC 235	Content Instructional Design	3
EDUC 350	Behavior and Individual Differences	3
EDUC 360	Foundations of Education	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 435	Content Curriculum Fundamentals	3
MATH 419	Teaching Mathematics in Secondary Schools	3
<i>Practicum and Gate Courses</i>		
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 189	Practicum in Education I: Local ¹	0
EDUC 289	Practicum in Education II: Local ¹	0
EDUC 389	Practicum in Education III: Local ¹	0
<i>Secondary Courses</i>		
CSIS 111	Introduction to Programming Using C++	3
MATH 131	Calculus and Analytic Geometry I	4
MATH 132	Calculus and Analytic Geometry II	4
MATH 200	Introduction to Mathematical Reasoning	3
or MATH 250	Introduction to Discrete Mathematics	
MATH 211	Introduction to Statistical Analysis	3
or MATH 311	Probability and Statistics I	
MATH 221	Applied Linear Algebra	3
or MATH 410	Matrix and Linear Algebra	
MATH 231	Calculus and Analytical Geometry III	4
or MATH 430	Multivariable Calculus	
MATH 305	Modern Geometry	3
or MATH 405	Fundamentals of Modern Geometry	
MATH 345	Introduction to the History of Mathematics	3
or MATH 400	History of Mathematics	
MATH 350	Discrete Mathematics	3
MATH 421	Elementary Abstract Algebra I	3
or MATH 423	Abstract Algebraic Structures	

Code	Title	Hours
PHYS 231L	University Physics Lab I	0
<i>Student Teaching</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
<i>Choose one of the following:</i> ^{1,2}		
EDST 460	Student Teaching - One Placement – Distance	
EDST 461	Student Teaching - One Placement – Local	
EDST 464	Student Teaching - Own Classroom – Distance	
EDST 465	Student Teaching - Own Classroom – Local	
EDST 466	Student Teaching - Multiple Endorsement - One Placement – Distance	
EDST 467	Student Teaching - Multiple Endorsement - One Placement – Local	
Total Hours		75

¹ Liberty University School of Education Background check is required for all practicums and student teaching.

² This course should be taken in the final semester.

Code	Title	Hours
Free Electives		
Choose 0-5 credit hours of Free Electives		0-5
Total Hours		0-5

Note:

- All practicum courses should be completed before student teaching, and candidate should not plan to take those courses in summer terms.

All applicable prerequisites must be met

Graduation Requirements

- 120 total hours
- 3.0 Overall grade point average
- 30 Hours must be upper-level courses (300-400 level)
- Grade of 'C' Minimum required for all courses in the major
- 25% Of major taken through Liberty University
- 30 Hours must be completed through Liberty University
- Grad App Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date
- CSER All requirements must be satisfied before a degree will be awarded

Course Sequence

Course	Title	Hours
First Year		
First Semester		
BIBL 105	Old Testament Survey	2
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
Math Elective (MATH 128)		3
Technology Competency ²		0-3
UNIV 101	Foundational Skills	1
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0

Course	Title	Hours
EDUC 201	Introduction to Education and Classroom Technology	3
CSER		0
Hours		13-16

Second Semester

BIBL 110	New Testament Survey	2
COMS 101	Speech Communication	3
Information Literacy Elective (CSIS 110) ¹		3
RLGN 105	Introduction to Biblical Worldview	2
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
MATH 131	Calculus and Analytic Geometry I	4
CSER		0
Hours		17

Second Year

First Semester

EVAN 101	Evangelism and the Christian Life	2
PSYC 210	Developmental Psychology	3
RSCH 201	Research	3
THEO 201	Theology Survey I	2
EDUC 189	Practicum in Education I: Local ³	0
EDUC 235	Content Instructional Design	3
MATH 132	Calculus and Analytic Geometry II	4
CSER		0
Hours		17

Second Semester

ENGL 201	American Literature I	3
THEO 202	Theology Survey II	2
CSIS 111	Introduction to Programming Using C++	3
EDUC 350	Behavior and Individual Differences	3
MATH 200	Introduction to Mathematical Reasoning	3
or MATH 250	or Introduction to Discrete Mathematics	
MATH 231	Calculus and Analytical Geometry III	4
or MATH 430	or Multivariable Calculus	
CSER		0
Hours		18

Third Year

First Semester

Natural Science Elective (PHYS 231) ¹		3
PHYS 231L	University Physics Lab I	0
EDUC 289	Practicum in Education II: Local ³	0
EDUC 360	Foundations of Education	3
MATH 211	Introduction to Statistical Analysis	3
or MATH 311	or Probability and Statistics I	
MATH 321	Linear Algebra	3
or MATH 410	or Matrix and Linear Algebra	
MATH 419	Teaching Mathematics in Secondary Schools	3
CSER		0
Hours		15

Course	Title	Hours
Second Semester		
CSTU 101	Western Culture	3
EDUC 425	Content Measurement and Evaluation	3
MATH 250	Introduction to Discrete Mathematics	3
MATH 305 or MATH 405	Modern Geometry or Fundamentals of Modern Geometry	3
MATH 421 or MATH 423	Elementary Abstract Algebra I or Abstract Algebraic Structures	3
CSER		0
Hours		15
Fourth Year		
First Semester		
HIUS 221	Survey of American History I	3
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 389	Practicum in Education III: Local ³	0
EDUC 435	Content Curriculum Fundamentals	3
MATH 350	Discrete Mathematics	3
MATH 345 or MATH 400	Introduction to the History of Mathematics or History of Mathematics	3
Elective		1
CSER		0
Hours		13
Second Semester		
EDST 475	The Reflective Educator: Resource Seminar	3
Student Teaching Option ^{3,4}		9
CSER		0
Hours		12
Total Hours		120-123

¹ Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements

² All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

³ Liberty University School of Education Background check is required for all practicums and student teaching

⁴ Choose one of the following Student Teaching options: EDST 460, 461, 464, 465, 466, or 467